INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFI Int.Cl	CATION OF SUBJECT MATTER B60B35/18, F16C19/18, F16C1		²⁰⁰⁴ /013350
<u> </u>	ternational Patent Classification (IPC) or to both natio	nal classification and IPC	
B. FIELDS SI	EARCHED mentation searched (classification system followed by	alogai@astion aumbala	
Int.Cl	' B60B35/00-35/18, F16C19/00-3 G08C17/00-17/06	19/56, F16C41/00-41/04,	
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2004 T	itsuyo Shinan Toroku Koho Oroku Jitsuyo Shinan Koho	1996-2004 1994-2004
Electronic data t	pase consulted during the international search (name of	data base and, where practicable, search to	erms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
(I) Y	JP 2003-262647 A (NTN Corp.) 19 September, 2003 (19.09.03 Column, 7, lines 37 to 48; F (Family: none)),	1-5
¥ ②	JP 2001-315501 A (NTN Corp.) 13 November, 2001 (13.11.01) Fig. 13 (Family: none)		1-5
¥ (3)	JP 2003-121454 A (NSK Ltd.), 23 April, 2003 (23.04.03), Fig. 4 & US 2003/0093188 A1 & EP & CN 001412564 A		1-5
× Further doc	cuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 19 October, 2004 (19.10.04)		Date of mailing of the international search report 09 November, 2004 (09.11.04)	
Japanes	address of the ISA/ e Patent Office	Authorized officer	
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International application No. PCT/JP2004/013350

C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT	
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¥ (ф)	JP 2002-264786 A (NTN Corp.), 18 September, 2002 (18.09.02), Column 4, lines 28 to 31; Fig. 2 & US 2002/0033638 A1 & US 2002/0130655 A1 & EP 1177959 A2 & CN 001375407 A	5
P, Y(5)	JP 2003-287046 A (NTN Corp.), 10 October, 2003 (10.10.03), Figs. 1 to 5, 12 (Family: none)	1-6
A 6	US 5642944 A (Wilbur Leslie DUBLIN, Jr.), 01 July, 1997 (01.07.97), Figs. 2a to 3c & US 5806988 A & US 5810485 A	1-6
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